

7/2/2019

[Dart Hawkesbury] Job Sheet - Renwick, Jennifer

NCR 19 7665

S196216

	Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada		SWA10A-6 Job Sheet 196543 
	Tel (613) 632-5200 Fax 613 632-5246		
Part No: SWA10A-6 Job Qty: 1 pcs			
Part Name: Electric Swivel 10,000 lb Safe Work Load (4,536 kg) 			
Part Weight: 0 lbs Job Created: 6/14/19 Due Date: 6/28/19 Type: Return		Status: New Job Tracking No: Created By: Jennifer Renwick Description: RA558	
Note: SWA10A REV.3 IPP REV:A 18.02.20 NEW ISSUE DD VERF:DP Ship Via:			
Bill of Materials			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S196216



Part: SWA10A-6
Job No: 196543
Serial No/Batch: S105317
Revision: 3
Inspector:
Exp Date:
Instructions:

Date: 07/05/19

P.T.O.

Job Routing									
Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
125	Rework - 1 - Startup Returns	1 pcs	6/28/19		0.00	0.00	QC 6 - 40 - S		
							QC 6 - 61 - S		
							QC 6 - 68 - S		
							QC 6 - 9 - S		
126	External Load - 2 - B4B	1 pcs	6/28/19		0.00	0.00	External Load - 1 - B4B		
127	External Load - 2 - B4B	1 pcs	6/28/19		0.00	0.00	External Load - 1 - B4B		
130	Packaging 3-1 - Stock - B4B	1 pcs	6/28/19		0.00	0.00	Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B		
							Packaging 3 - 4 - B4B		
							Packaging 3 - 5 - B4B		
							Packaging 3 - 6 - B4B		
							Packaging 3 - 7 - B4B		
							Packaging 3 - 8 - B4B		
							Packaging 3 - 9 - B4B		
							Packaging 3 - 10 - B4B		
							Packaging 3 - 11 - B4B		
							Packaging 3 - 12 - B4B		
							Packaging 3 - 13 - B4B		
							Packaging 3 - 14 - B4B		
							Packaging 3 - 15 - B4B		
							Packaging 3 - 16 - B4B		
							Packaging 3 - 17 - B4B		
							Packaging 3 - 18 - B4B		
							Packaging 3 - 19 - B4B		
							Packaging 3 - 20 - B4B		
							Packaging 3 - 21 - B4B		
							Packaging 3 - 22 - B4B		
							Packaging 3 - 23 - B4B		
							Packaging 3 - 24 - B4B		
							Packaging 3 - 25 - B4B		
							Packaging 3 - 26 - B4B		
							Packaging 3 - 27 - B4B		
							Packaging 3 - 28 - B4B		
							Packaging 3 - 29 - B4B		
							Packaging 3 - 30 - B4B		
							Packaging 3 - 31 - B4B		
							Packaging 3 - 32 - B4B		
							Packaging 3 - 33 - B4B		
							Packaging 3 - 34 - B4B		
							Packaging 3 - 35 - B4B		
							Packaging 3 - 36 - B4B		
135	DC - 1 - B4B	1 pcs	6/28/19		0.00	0.00	DC - 1 - B4B		
							DC - 2 - B4B		
140	QC 21 - FG	1 pcs	6/28/19		0.00	0.00	QC 21 - FG - 21		
							QC 21 - FG - 70		
							QC 21 - SA - 53		
Part Op 126 - TEST ASSEMBLY AS PER TEST SHEETS Descriptions: 127 - (Small Fab) - Assemble as per DWG. Sheet 1 ***All assembly to be done in accordance with SWA10A swivel manual*** TEST ASSEMBLY AS PER TEST SHEETS Engrave T/N And / or S/N number as required Using Marktronic engraver as per DWG. Laser engrave dart logo as per DWG. 130 - (Identify as per dwg & Stock Location: _____) Bag and tag 135 - (Document Control) Photocopy blue file OM & OOPM-SWA10A Rev2 140 - (QC21- Final Inspection - Work Order Release)									
Job BOM									
Part / Item	Component Name	Quantity	Operation	Container					
SWA10A-6	Electric Swivel 10,000 lb Safe Work Load (4,536 kg)	1 pcs (1 ea)	125-Rework - 1 - Startup Returns	5167221					
Job Allocations									
Operation	Component Part	Required	Inventory	Allocated					
125-Rework - 1 - Startup Returns	SWA10A-6	1	0	0					

92-NR.

JUL 17 2019

JUL 17 2019

Part Specifications

Specifications could not be found.

Plex 7/2/19 8:28 AM Dart.Renwick.Jennifer

Inspection Sheet Complete RA558

Customer QA Ref #											
Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #
SWA10A-6	S105317		1	☒ Yes	☒ Yes	☐ Yes	☐ Yes	STOCK		S167821	
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes				
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes				
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes				
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes				
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes				

Part returned without damage.
Return in stock.
I.D. with new batch at Rev 3.

QC Approval: AT

Date: 1-May-19

Special Return/Rework Instructions:

Work Order

172740

Customer

Number of Wires

6

Date

27/08/2018

Serial Number

5105317

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	10,000	Check for Conductivity against all wires.	Pass
1	10,000	Check all wires for grounding against swivel body.	Pass
1	5,000	Check for Conductivity against all wires.	Pass
1	5,000	Check all wires for grounding against swivel body.	Pass
1	2,500	Check for Conductivity against all wires.	Pass
1	2,500	Check all wires for grounding against swivel body.	Pass
1	0	Check for Conductivity against all wires.	Pass
1	0	Check all wires for grounding against swivel body.	Pass

Test Conducted By:

Francis Caerottx.

Signature:

Sylvie Pouchet
QC 5 Small FAB / QA

Technician

Submit



Dart Aerospace, Ltd
1270 Aberdeen Street
Hawkesbury ON K6A 1K7
Canada
Tel 613-632-5200
Fax 613-632-5246

Customer Shipper

RA558

To: AGS Cargo USA
13443 NW 19th LANE
Miami, FL 33182
USA

Shipper No: 05880



Invoice No: HB0004052

Ship Date: 10/10/18

Shipping Tracking No: 456234330145

Freight Terms: PrePaid

INCO Terms: Ex Works

FOB: Shipping Point

Bill To: Omni Taxi Aereo
Av Ayrton Senna 2541
Rua E Hangar 35-Barra Da Tijuca
Rio De Janeiro - RJ
22775-002
Brazil

Contact: Cardoso, Fabio Augusto

Phone: +55 21 99084-3403

HIP VIA FEDEX PRIORITY
CC# 245677960

Invoice No
HB0004052

Order No
10233

PO No
177.417

Order No	Cust PO	Customer Order Line No	Rel	Customer Part No	Part Name	Serial No/Batch	Ship Units	Ship Qty	Net	Gross
1233	177.417		1	SWA10A-6	Electric Swivel 10,000 lb Safe Work Load (4,536 kg) STOCK	S105317 (1)		1 YTD: 1	0 lbs	
Total:							1	1	0 lbs	0

SWA10A-6

S105317

Signature

Shipper Copy

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Dart Aerospace, Ltd
1270 Aberdeen Street
Hawkesbury ON K6A 1K7
Canada
Tel 613-632-5200
Fax 613-632-5246

Bill of Lading

Ship To: AGS Cargo USA
13443 NW 19th LANE
Miami, FL 33182
USA

Bill To: Omni Taxi Aereo
Av Ayrtton Senna 2541
Rua E Hangar 35-Barra Da Tijuca
Rio De Janeiro - RJ
22775-002
Brazil

Contact: Cardoso, Fabio Augusto

Phone: +55 21 99084-3403

HIP VIA FEDEX PRIORITY
CC# 245677960

Bol No: 05880



Invoice No: HB0004052

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Order No	Cust PO	Customer Order Line No	Rel	Customer Part No	Part Name	Serial No/Batch	Ship Units	Ship Qty	Net	Gross
10233	177.417		1	SWA10A-6	Electric Swivel 10,000 lb Safe Work Load (4,536 kg) STOCK	S105317 (1)		1 YTD: 1	0 lbs	0
Total:							1	1	0 lbs	0

Ship to: DART Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario K6A 1K7 Canada

Tel: 613 632 5200

Fax: 613 632 5246

accounting@dartaero.com

GST/HST 10127 2607

Note: A minimum 15% restocking fee is applicable. Custom items are non-refundable. Full warranty details are available at www.dartaerospace.com

Ship to: DART Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario K6A 1K7 Canada

Tel: 613 632 5200

Fax: 613 632 5246

accounting@dartaero.com

GST/HST 10127 2607

Note: A minimum 15% restocking fee is applicable. Custom items are non-refundable. Full warranty details are available at www.dartaerospace.com

Signature

Bill of Lading

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13443 NW 19th LANE
Miami, FL 33182
USA

COMERCIAL INVOICE

Ship To:



Dart Aerospace, Ltd
1270 Aberdeen Street
Hawkesbury ON K6A 1K7
Canada
Tel 613-632-5200
Fax 613-632-5248

Shipper No: 05880



Invoice No: HB0004052

Ship Date: 10/10/18

Shipping Tracking No: 456234330145

Freight Terms: PrePaid

INCO Terms: Ex Works

FOB: Shipping Point

Invoice No
HB0004052

Order No
10233

PO No
177.417

Order No	Cust PO	Customer Order Line No	Rel	Customer Part No	Part Name	Serial No/Batch	Ship Units	Ship Qty	Net	Gross
10233	177.417		1	SWA10A-6	Electric Swivel 10,000 lb Safe Work Load (4,536 kg) STOCK	S105317 (1)		1 YTD: 1	0 lbs	0
Total:							1	1	0 lbs	0

Signature

Shipper Copy

\$177.88

Plex 10/10/18 1:42 PM dart.beeecraft.ashley Pag



Electric Swivel
SWA10A

Work Order 196 543

Customer RA 358

Number of Wires 6

Date 2019-7-16

Serial Number 5105317

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	10,000	Check for Conductivity against all wires.	Pass
1	10,000	Check all wires for grounding against swivel body.	Pass
1	5,000	Check for Conductivity against all wires.	Pass
1	5,000	Check all wires for grounding against swivel body.	Pass
1	2,500	Check for Conductivity against all wires.	Pass
1	2,500	Check all wires for grounding against swivel body.	Pass
1	0	Check for Conductivity against all wires.	Pass
1	0	Check all wires for grounding against swivel body.	Pass

Test Conducted By: Michael Lalonde

Technician



Signature: Sylvia Sanchez
QC 5 Small FAB / QA

DQA: _____ Date: _____


 QA Closed: 21 Date: Oct 31/19 **WORK ORDER NON-CONFORMANCE / UPDATE**
Work Order update only ☐

Work Order: <u>196543</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS				
Part No. <u>SWA### Swivels</u>		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	
NCR No. <u>19-7665</u>		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	
		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	
		Large Fab ☐	Composite ☐	Supplier ☐		

Date : 2018-02-01

Step #:

QTY Effective : 1

MRB (QSI042) Approval

M. Lee
 Feb 01, 2018
Description Work Order Deviation**Disposition**

- Use a combination of heatshrink tubing and RTV Silicone to create a watertight seal around all electrical connections.
- Use a D2728-1 Placard in place of the laser engraved Dart logo

These deviations are acceptable to carry out on the following swivels:

- SWA3
- SWA6A
- SWA10A
- SWA15A
- SWA25A
- PSWA25A

There is no impact on fit, form or function.

Completed By

A. PATH
19-02-20

 Lead hand / Supervisor
 Approval Verification

JUL 26 2019

 QC / QA Coordinator
 Approval
68JUL 26 2019**Root Cause**

Environment	☐	No Re-verification	☐
Design	☒	Operator	☐
Doc/Data	☐	Offset/Setup	☐
Equip/Tooling	☐	Supplier	☐
Handling/Pre	☐	Training	☐
Material	☐	Use for Testing	☐
Internal Transport	☐	Poor Information	☐
Tribal Knowledge	☐	Rushing	☐
LOA	☐	☒ Product Improvement	
Substation	☐	☒ Process Improvement	
Past Expiry Date	☐	Manufacturing Process	☐
Misidentified	☐	Past Due	☐

FAULT CATEGORY

Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Crushing	☐	Countersink	☐	Off-set	☐	☒ Drawing	
Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐

OTHER :